

# Computer Expert Stops Running After 25 Years

The brilliant young mathematician and his wife were peddling across France ahead of the advancing Germans, a price on their heads and under strafing attacks from Stuka dive bombers.

In his bicycle basket, the exhausted professor carried two valuable items: his six-month-old son and secret designs of an advanced fire-control system for anti-aircraft guns.

Too corny a scene even for a Hollywood movie? Maybe, but it was only one minor entry in the diary of Dr. Antonin Svoboda, one of the world's pioneers in computer development, whose life has been punctuated by narrow escapes from Nazis and Communists.

NOW A Professor in Residence in the UCLA engineering department, the rugged 59-year-old Czechoslovakian is described by his colleagues as a "creative giant" in information processing systems, design of mechanical computer elements and mathematics.

Back in the 1930s, as associate professor of mathematics at the Technical University of Prague, Svoboda began working on an automatic system to control the rate and direction of fire from AA guns, incorporating many elements used later in electronic analog computers.

When the Germans marched into Prague in March, 1939, Svoboda smuggled his drawings to the French War Ministry, and shortly afterwards he and his wife escaped penitence to Paris.

IN THE CHAOS accompanying the Nazi conquest of France, Svoboda and his family crisscrossed the country on bicycles for two weeks, experiencing a lifetime's worth of narrow escapes, near rescues, hunger and sickness.

Reaching the United States in early 1941, Dr. Svoboda joined the M.I.T. Radiation Laboratory and made a major contribution on the design of the Mark 56, a radar-guided fire control system for AA-batteries on battleships and cruisers.

His research at M.I.T. laid the foundation for his book on "Computing Mechanism and Linkages," considered a classic in its field since its publication in 1948, and for many of the 120 patents held by Dr. Svoboda.

AT WAR'S END, Dr. Svoboda decided to return to a free Czechoslovakia to help the war-ravaged nation rebuild her technological and scientific stature.

He returned in 1946. Two years later, the Czech Communists overthrew the established democratic government, and Dr. Svoboda began the second struggle of his life against a totalitarian regime.

In the following years, the wearying in-fighting between the independent engineer-scientist and the Communist functionaries took the form of government commissions investigating his work, missed promotions, loss of bright students, and hundreds of other harassments.

**Army Band To Appear in Redondo**  
The 72nd U. S. Army Band will present a concert at the Redondo Beach City Park Sunday, Aug. 21, at 2 p.m. The concert is being sponsored by the Redondo Beach Recreation and Parks Department.

Assigned to Fort MacArthur in San Pedro, the 72nd Army Band provides music for military ceremonies and presentations and tours throughout Southern California each year. It was organized in November, 1951, at Camp Hanford, Wash., and transferred to Fort MacArthur in 1958.

Chief Warrant Officer William A. Thompson, a veteran of 23 years in the service, is commander of the band. 1st Sgt. Nathaniel Biddick is first sergeant and drum major.

There will be no charge for the Redondo Beach concert.

EVEN UNDER these conditions, Dr. Svoboda kept breaking new paths in the computer sciences. He designed the SAPO digital machine, sophisticated self-correcting com-

puter; the pioneering EPOS, many of whose features have been incorporated in current U.S. computers; and the advanced DP-100 computer. As the Communists tightened the screws on individual expression and scientific freedom, Dr. Svoboda looked for ways to escape from his native land for the second time, without leaving his family be-

hind as hostages. For seven years he planned and tried. He finally made it in 1964, through means and routes which he still does not feel free to discuss.

**Surfboard Taken**  
Despite vastly multiplied participation in water sports and a doubling of population, annual U. S. drownings have dropped from 7,900 to 6,700 in the last 50 years, according to Red Cross Water Safety statistics.

**DROWNINGS DOWN**  
A Santa Barbara youth visiting in Torrance reported the theft of a surfboard to police Friday.

Jon O. Tipple, 18, told officers the surfboard was standing by an apartment door at 20707 Anza Ave. It is valued at \$145.

**OPEN TODAY 9 A.M. to 10 P.M.**

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**BLUE CHIP STAMPS**

**MAALOX Liquid Suspension**  
12-oz. 1.49 Size  
**88c**

**Pepto Bismol**  
Relief for upset stomach.  
98c 8-oz. Size **77c**

**SAV-ON Antiseptic**  
Amber Mouthwash...  
Alcohol 28% by Volume.  
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**SAV-ON Shave Cream**  
Regular or Menthol.  
1 1/2-oz. Push Button Can. **59c**

**NOXZEMA Medicated SKIN CREAM**  
Greaseless  
1.39 10-oz. Size  
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**SARDO**  
Lipodermic Action.  
Bathes away dry skin.  
8 oz. 5.00 Size **3.98**

**SWEETA by Squibb**  
Concentrated no-calorie sweetener.  
24cc bottle. **59c**

**BAN Roll-on DEODORANT**  
Lotion smoothness  
1.00 Size **69c**

**Toni Curl Free**  
Smooths, relaxes natural curl.  
Reg. 3.50 **2.88**

**Toni Home Permanent**  
With Hidden-Body.  
Regular or Super Gentle for soft hair styles.  
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**Sight Savers**  
Silicone Treated Tissues clean, polish and protect glasses. Handy pocket booklet.  
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**JERGEN'S LOTION**  
Smooths rough detergent irritated hands.  
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**Blue Jay Corn Pads or Bunion Pads**  
foam pads stick by touch and stay for fast relief.  
Reg. 35c **23c**

**PERFECTION Folding Syringe**  
with fittings and carrying case.  
Reg. 1.99 **1.23**

**BEAUTY SALON HAIR SPRAY**  
new, improved formula  
69c 13-oz. Cans **49c**

**Hair Setting Lotion**  
BEAUTY SALON... for a beautiful set with a professional touch.  
79c 8-oz. Size **59c**

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2 weeks supply of Shaving Cream, Blades, After Shave, Hair Cream, Spray Deodorant and Razor.  
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Concentrate-Cocoanut Oil base for dry skin.  
32 oz. **89c**

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New aid to appetite control. Plan of 60 tablets.  
**3.00**

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And pimples. This 2-step cleanser and treatment is tested and proven prescription.  
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Family Size **59c**

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Giant Size YOUR CHOICE **69c**

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20 lb. Bag **1.59**

**Little Golden Books**  
For the youngest students... an educational assortment to take to class for show and tell and to use at home. Regularly 29c each **4 for 1.00**

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by American Thermos... Flat or dome style metal kits in assorted colored designs, complete with 8 oz. matching vacuum bottle. **1.88**

**Flexy Micropoint Pens**  
Fiber tip point writes on most all surfaces. Choice of colors. **39c**

**Sav-on SELF-SERVICE DRUG STORES**  
AD PRICES PREVAIL: Aug. 14th to Aug. 17th Sunday Through Wednesday  
Open 9 A.M. to 10 P.M. — 7 Days A Week — 5020 W. 190th St., Torrance

**Maxwell House INSTANT COFFEE**  
Giant 12-oz. Jar **1.29**

**Surf Rider**  
Legal at any beach. Large 25x48" size. **4.69**

**Deluxe Seamless Sheer CANTRECE NYLONS**  
New from DuPont—"Cantrece" means NO looseness... NO letdown... NO bagging... NO sagging. Reinforced heel and toe. Sizes to fit 8 1/2 to 11 in 3 popular shades.  
Reg. 99c **77c** Pair

**Ladies' Panties**  
"Puffkins"—Elastic leg panty. 100% combed cotton. Size 5 to 8. White & colors.  
**2 for 88c**

**Boys' Socks**  
May Knit—100% cotton anklets with elastic tops. Assorted patterns and colors. Sizes 6 to 8 1/2. Reg. 4 Pr. for 1.00  
**4 Pair 88c**

**Ladies' Panties**  
Skintees—2-bar tricot acetate with elastic leg. White and colors. Sizes 5 to 8.  
**4 for 1.00**

**Girls' Panties**  
2-Bar Tricot Acetate, elastic leg, assorted colors. Sizes 2 to 14.  
**4 for 1.00**

**Misses' Stretch Anklets**  
May Knit—Cotton & nylon socks with turn down cuff. White & pastels. Sizes 6 to 11.  
**3 for 1.00**

**Misses' Crew Anklets**  
May Knit—Cotton crew socks nylon reinforced foot. White. Sizes 8 1/2 to 11.  
**3 for 1.00**

**Misses' Dress Anklets**  
May Knit—Mercerized cotton with reinforced heel and toe... turn down cuff. Sizes 6 to 11.  
**3 for 1.00**

**Girls' "Poor Boy" Slack Sets**  
Stretch denim pants in navy... knit top with matching button front neckline—3/4 sleeves in red or maize. Sizes 3 to 6X.  
**2.69**

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**Girls' Slim Jim Sets**  
Latest fashion styles... choose from corduroy or print stretch denim pants with matching or contrasting knit tops with applique trim and 3/4 sleeves. Colors. Sizes 3 to 6X.  
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WIZARD... No flare up!  
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EVERYDAY... 9-inch dinner size. PACKAGE OF 150 PLATES. **99c**

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HOLIDAY... Unbreakable molded polypropylene shell w/seamless white liner... shoulder spout. Sunny yellow. 1 Gal. **1.49**

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HOLIDAY... Enameled steel... styrene insulated liner. Plated steel hardware and convenient top carry handle. 10 1/2"x18 1/2"x11 1/2" **8.49**

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Hardwood frame, adjustable, striped back and seat flap. **1.23**

**MARBO BLUE ICE**  
Freeze in your freezer—stays colder 2 to 5 times longer than ice—reusable. All purpose size. **89c**

**ZORIES THONG SANDALS**  
Your choice of children's, ladies' or men's sizes. **4 Pair 1.00**

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"MERMAID" assorted embossed designs. Adjustable chin strap. Reg. 79c **2 for 1.00**

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Adjusts to 36 positions... steel frame, fade resistant vinyl tubing. **12.88**

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